

Dynamic Mixing of TDM Data with Data Packets

Addepalli Sateesh Kumar
Chandrasekaran Nageswara Gupta
Tushar Ramanlal Shah
Debaditya Mukherjee
Thomas Yat Chung Woo
Khalid Sheikh
Jai Prakash Agrawal

ABSTRACT OF THE DISCLOSURE

To more fully utilize the available bandwidth of a network link, network nodes in accordance with the present invention allow TDM data to be combined with packet data. A Packet/TDM cross connect switch, having both a TDM switch and a packet switch, is used in these embodiments. Data packets are transformed into TDM packet columns. The TDM packet columns are combined with standard TDM data columns in the payload of a TDM data frame. Data packets may be sorted based on a priority scheme, in which high priority data packets are given precedence over lower priority data. However, both high priority and low priority may be combined in a TDM packet column